

Test Report

Report No.: A 877731-1



**DANISH
TECHNOLOGICAL
INSTITUTE**

Gregersensvej
DK-2630 Taastrup
Tel. +45 72 20 20 00
Fax +45 72 20 20 19

info@teknologisk.dk
www.teknologisk.dk

Assignor: Kvadrat A/S
Lundbergsvej 10
8400 Ebeltoft
Attn: Lone Henriksen

Page 1 of 2
Initials Chf/Leln
Order no.: 877731
No. of appendix: 1

Subject: Combination of upholstered material tested:
Cover: Sample of upholstery fabric, designated: Savanna (as per info from the assigner)
Fibre composition: 34% polyester, 31% new wool, 26% acrylic, 4% cotton, 3% nylon,
2% linen (as per info from the assigner)
Approximate mass per area unit: 523 g/m²
Filling: Flame-retardant polyurethane foam designated, CME 38165.
Approximate density: 35 kg/m³. (The foam is delivered by Danish Technological
Institute)

Sampling: The test material was sampled by the client and received at the Danish Technological
Institute 19 June 2019.

Method: Testing of ignitability according to EN 1021-1:2014, Furniture - Assessment of ignitability
of upholstered furniture - Part 1: Ignition source smouldering cigarette.

Details of the test are given on page 2 in this report.

Period: The testing was completed 21 June 2019.

Result: According to the criteria of ignition described in EN 1021-1, chapter 3, the result is:

Non-ignition > PASS

Storage: The test material will be destroyed after 3 months, unless otherwise agreed.

Terms: The accredited test was carried out according to DANAK's general conditions see www.danak.dk and according to
the General Terms and Conditions regarding Commissioned Work Accepted by the Danish Technological Institute,
which apply at the time of signing the agreement. The test is only valid for the tested specimen. The test report
may only be extracted, if the laboratory has approved the extract.

Date/place: 24 June 2019, Danish Technological Institute, Textile, Taastrup

Lea Larsen

Lea Larsen
Ph. Direct: +45 72 20 21 36
E-mail: lein@teknologisk.dk

Signature: Test responsible

Charlotte Fischer

Charlotte Fischer
Ph. Direct: +45 72 20 21 35
E-mail: charlotte.fischer@teknologisk.dk
Co-signatory



 **DANAK**
TEST Reg.no. 2

Report no.: A 877731-1
Page: 2 of 2
Initials: Chf/LeIn

**Results,
continued:**

The test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Test method: EN 1021-1:2014.

Ignition source: Smouldering cigarette.

Conditioning atmosphere: 23±2 °C / 50±5 % RH.

Test result: Non-ignition > PASS

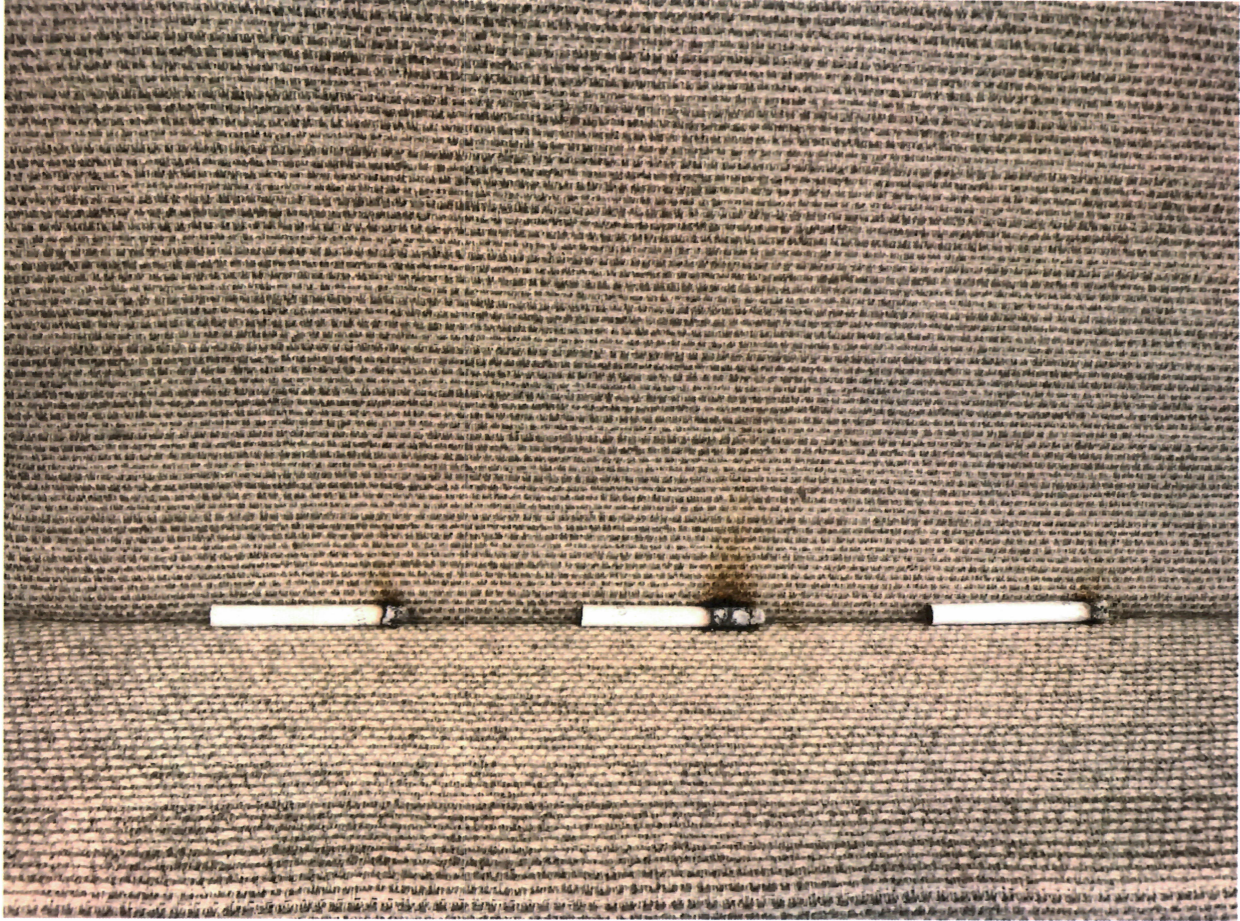
| Smouldering criteria | Cigarette | | |
|---|------------------|--------|--------|
| | Test 1 | Test 2 | Test 3 |
| Unsafe escalating combustion (3.1.a) | *No | *No | *No |
| Test assembly largely consumed (3.1.b) | No | No | No |
| Smoulders to extremities (3.1.c) | No | No | No |
| Smoulders through thickness (3.1.c) | No | No | No |
| Smoulders more than 1 hour (3.1.d) | | | |
| Progressive smouldering on final examination (3.1.e) | No | No | No |
| Flaming criteria | | | |
| Any flames initiated by smouldering source (3.2) | No | No | No |
| Self-extinguishing of the cigarettes before smouldering entire length | Yes | Yes | Yes |

*Cigarette self-extinguished before burning entire length.

Comments:

Before testing the sample was **not** subjected to the water soaking and drying procedure described in EN 1021-1, annex D.

Report no.: A 877731-1
Appendix: 1
Page: 1 of 1
Initials: Chf/Leln



Test Report

Report No.: A 877731-2



**DANISH
TECHNOLOGICAL
INSTITUTE**

Gregersensvej
DK-2630 Taastrup
Tel. +45 72 20 20 00
Fax +45 72 20 20 19

info@teknologisk.dk
www.teknologisk.dk

Page 1 of 2
Initials Chf/LeIn
Order no.: 877731
No. of appendix: 1

Assignor: Kvadrat A/S
Lundbergsvej 10
8400 Ebeltoft
Attn: Lone Henriksen

Subject: Combination of upholstered material tested:
Cover: Sample of upholstery fabric, designated: Savanna (as per info from the assigner)
Fibre composition: 34% Polyester, 31% new wool, 26% acrylic, 4% cotton, 3% nylon,
2% linen (as per info from the assigner)
Approximate mass per area unit: 523 g/m²
Filling: Flame-retardant polyurethane foam designated, CME 38165.
Approximate density: 35 kg/m³. (The foam is delivered by Danish Technological
Institute)

Sampling: The material for testing was submitted by the assigner and received on Danish
Technological Institute 19 June 2019.

Method: Testing of ignitability according to EN 1021-2:2014, Furniture - Assessment of ignitability
of upholstered furniture - Part 2: Ignition source match flame equivalent.

Details of the test are given on page 2 in this report.

Period: The testing was completed 21 June 2019.

Result: According to the criteria of ignition described in EN 1021-2, chapter 3, the result is:

Non-ignition > PASS

Storage: The test material will be destroyed after 3 months, unless otherwise agreed.

Terms: The accredited test was carried out according to DANAK's general conditions see www.danak.dk and according to
the General Terms and Conditions regarding Commissioned Work Accepted by the Danish Technological Institute,
which apply at the time of signing the agreement. The test is only valid for the tested specimen. The test report
may only be extracted, if the laboratory has approved the extract.

Date/place: 24 June 2019, Danish Technological Institute, Textile, Taastrup


Lea Larsen
Ph. Direct: +45 72 20 21 36
E-mail: lein@teknologisk.dk

Signature: Test responsible


Charlotte Fischer
Ph. Direct: +45 72 20 21 35
E-mail: charlotte.fischer@teknologisk.dk
Co-signatory



 **DANAK**
TEST Reg.no. 2

Report no.: A 877731-2
Page: 2 of 2
Initials: Chf/LeIn

**Results,
continued:**

The test results relate only to the ignitability of the combination of materials under the particular conditions of test; they are not intended as a means of assessing the full potential fire hazard of the materials in use.

Test method: EN 1021-2:2014.

Ignition source: Match flame equivalent.

Conditioning atmosphere: 23±2 °C / 50±5 % RH.

Test result: Non-ignition > PASS

| Smouldering criteria | Match Flame equivalent | | |
|--|-------------------------------|--------|--------|
| | Test 1 | Test 2 | Test 3 |
| Unsafe escalating combustion (3.1.a) | No | No | No |
| Test assembly largely consumed (3.1.b) | No | No | No |
| Smoulders to extremities (3.1.c) | No | No | No |
| Smoulders through thickness (3.1.c) | No | No | No |
| Smoulders more than 1 hour (3.1.d) | No | No | No |
| Progressive smouldering on final examination (3.1.e) | No | No | No |
| Flaming criteria | | | |
| Unsafe escalating combustion (3.2.a) | No | No | No |
| Test assembly essentially consumed (3.2.b) | No | No | No |
| Flames to extremities, except upper margins (3.2.c) | No | No | No |
| Flames through thickness (3.2.c) | No | No | No |
| Flames longer than 120 sec. (3.2.d) | No | No | No |

Comments:

Before testing the sample was **not** subjected to the water soaking and drying procedure described in EN 1021-2, annex D.

Report no.: A 877731-2
Appendix: 1
Page: 1 of 1
Initials: Chf/Leln

